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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/631,058	08/01/2000	Bo Wu	ENR-003	6628

7590 09/24/2004  
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Third Floor  
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EXAMINER

LEE, PHILIP C

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 09/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 09/631,058	Applicant(s) WU, BO	
	Examiner Philip C Lee	Art Unit 2154	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 09 August 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-33 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

1. This action is responsive to the amendment and remarks filed on August 09, 2004.
2. Claims 1-33 are presented for examination.
3. The text of those sections of Title 35, U.S. code not included in this office action can be found in a prior office action.

*Claim Rejections – 35 USC 103*

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains.

Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-2, 4-5, 7 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saito, U. S. Patent 6,002,772 (hereinafter Saito).
6. Saito was cited in the last office action.

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7. As per claim 1, Saito taught the invention substantially as claimed for a dynamic media distribution infrastructure in order to distribute media content (figure 1; col. 6, lines 34-42), said method comprising:

performing a registration process with a directory device, said registration process comprises a first client device specifying media content to download (col. 6, lines 43-44; col. 7, lines 48-50) and which device is allowed to or restricted from copying said media content once downloaded to said first client device (col. 8, lines 52-58; col. 20, lines 49-52);

coupling said first client device to a media supplier to receive said media content (8, figure 1; col. 7, line 55- col. 8, line 6) after said performing said registration process with said directory device (2, figure 1; col. 6, lines 43-47);

downloading said media content in an encrypted format from said media supplier to said first client device after said coupling said first client device to said media supplier (5,8, figure 1; col. 7, line 48-col. 8, line 6);

downloading to said first client device an encryption key capable of decrypting said media content (3, 4 and 9, figure 1; col. 6, lines 61-col. 7, lines 13; col. 8, lines 14-19);

downloading said media content from said first client device to a second client device (12 and 15, figure 1; col. 8, lines 37-48; col. 8, lines 65-67); and

downloading to said second client device another encryption key (17 and 19, figure 1; col. 9, lines 8-19; col. 9, lines 32-38; col. 5, lines 30-33).

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8. Saito did not specifically detailing the second client device receiving the same encryption key as the first client device. However, Saito taught the method of encrypting media content from the media supplier only with the second client device data (col. 19, lines 56-60). Therefore, an encryption key capable of decrypting the encrypted media content at the first client device is the same encryption key capable of decrypting the encrypted media content at the second client device. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to modify Saito's method because it would increase the efficiency of Saito's method by using the same encryption key for decrypting the same encrypted media content at different client devices.

9. As per claim 2, Saito taught the method substantially as claimed in claim 1 above, further comprising:

coupling said second client device to said directory device (col. 5, lines 24-30; col. 8, lines 37-47).

10. As per claim 4, Saito taught the method substantially as claimed in claim 1 above.

Saito further taught wherein

said first client device receives said encryption key from said media supplier (4, figure 3; col. 14, lines 28-35; col. 14, lines 4-16).

11. As per claim 5, Saito taught the method substantially as claimed in claim 1 above.

Saito further taught wherein

said first client device receives said encryption key from said directory device (3, figure 1, col. 6, lines 61-col. 7, lines 4).

12. As per claim 7, Saito taught the method substantially as claimed in claim 1 above.

Saito further taught wherein

said second client device receives said encryption key from said directory device (17, figure 1, col. 9, lines 8-19).

13. As per claim 10, Saito taught the method substantially as claimed in claim 1

above. Saito further taught wherein

said media supplier comprises a third client device (col.20, lines 28-32).

14. Claims 3 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Saito in view of Herlin et al, U.S. Patent 5,915,021 (hereinafter Herlin).

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15. Herlin was cited in the last office action.

16. As per claim 3, Saito taught the method substantially as claimed in claim 1 above.

Saito did not teach said second client device receiving said encrypted media content from said first client device. Herlin taught the method of coupling said second client device to said first client device (col. 11, lines 29-40).

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17. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito and Herlin because Herlin's method of coupling the second client device to the first client device would improve the security of Saito's method by allowing the second client device to request permission from the first client device in order to receive the encrypted media content from the first client device.

18. As per claim 6, Saito taught the method substantially as claimed in claim 1 above. Saito did not teach said second client device receives said encryption key from said first client device. Herlin taught the method of said second client device receives said encryption key from said first client device (col. 4, lines 22-33).

19. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito and Herlin because Herlin's method of receiving said encryption key from another client device would increase the efficiency of Saito's system by allowing the encryption key to be distributed by another user to increase the response time for requesting media content.

20. Claims 8 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saito in view of Wiser et al, U.S. Patent 6,385,596 (hereinafter Wiser).

21. Wiser was cited in the last office action.

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22. As per claim 8, Saito taught the method substantially as claimed in claim 1 above. Saito did not specifically detailing the content of the encrypted media. Wiser taught that the encrypted media content include video, audio, graphics, software, or information (col. 8, lines 11-17).

23. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito and Wiser because Wiser's method of including different types of media content would enhanced Saito's method by increasing the field of use for his system.

24. As per claim 9, Saito taught the method substantially as claimed in claim 1 above. Saito did not teach the type of device used as the media supplier. Wiser taught the media supplier comprises a computer (col. 6, lines 4-8).

25. Claims 11 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saito in view of Saito, U.S. Patent 5,867,579.

26. Saito, U.S. Patent 5,867,579 was cited in the last office action.

27. As per claims 11 and 12, Saito taught the method substantially as claimed in claim 1 above. Saito, U.S. Patent 5,867,579, taught wherein said first client device is a computer, set-top-box, or digital recording/play back device (col. 23, lines 33-40).



28. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito because the combine teachings of Saito would effectively cover larger range of use by including more details in his systems.

29. Claims 13-14, 16-17, 19, 21, 24, 28-29 and 31-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saito and Monday et al, U.S. Patent 6,263,377 (hereinafter Monday) in view of Rabne et al, U.S. Patent 6,006,332 (hereinafter Rabne).

30. Monday was cited in the last office action.

31. As per claim 13, Saito taught the invention as claimed for providing a dynamic media distribution infrastructure in order to distribute media content (figure 1; col. 5, lines 16-20; col. 6, lines 34-42), said method comprising the steps of:

coupling said first client device to a directory device and specifying media content to download (2, figure 1; col. 6, lines 43-47) and which device is allowed to or restricted from copying said media content once downloaded to said first client device (col. 8, lines 52-58; col. 20, lines 49-52);

downloading to said first client device said media content in an encrypted format from a media supplier (8, figure 1; col. 7, lines 56-col. 8, lines 6);

downloading to said first client device an encryption key capable of decrypting said media content (3 and 9, figure 1; col. 6, lines 61-col. 7, lines 4; col. 8, lines 14-19; col.; 5, lines 20-22);

downloading said media content from said first client device to a second client device (12 and 15, figure 1; col. 8, lines 37-48; col. 8, lines 65-67); and downloading to said second client device said encryption key (17 and 19, figure 1; col. 9, lines 8-19; col. 9, lines 32-38; col. 5, lines 30-33).

32. Saito did not specifically detailing the second client device receiving the same encryption key as the first client device. However, Saito taught the method of encrypting media content from the media supplier only with the second client device data (col. 19, lines 56-60). Therefore, an encryption key capable of decrypting the encrypted media content at the first client device is the same encryption key capable of decrypting the encrypted media content at the second client device. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to modify Saito's method because it would increase the efficiency of Saito's method by using the same encryption key for decrypting the same encrypted media content at different client devices.

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33. Saito did not teach supplying a list of media suppliers. Monday taught supplying a list of servers for providing applications (abstract; col. 3, lines 5-7).

34. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito and Monday because Monday's method of supplying a list of servers would increase the efficiency of Saito's

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system by allowing the client to choose a closest server to minimize the transmission time.

35. Saito fails to teach supplying to said first client device a list of media suppliers for providing said media content after said specifying. Rabne taught that supplying to said first client device a list of media suppliers for providing said media content after said specifying (col. 18, lines 20-41).

36. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito, Monday and Rabne because Rabne's teaching of supplying media after specifying use of the content and the rights of the user would increase the security of Saito's and Monday's systems by providing media to a user based on their rights and level of access registered with a directory device (col. 18, lines 20-22; col. 22, lines 42-51).

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37. As per claim 24, Saito taught the system as claimed for providing a dynamic media distribution infrastructure in order to distribute media content (figure 1; col. 6, lines 34-42), said system comprising:

a media supplier for transmitting media content that is encrypted (8, figure 1; col. 7, lines 56-col. 8, lines 6);

a first client device coupled to said media supplier and for receiving said media content from said media supplier (8, figure 1; col. 7, lines 56-col.

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8, lines 6), said first client device for receiving a first encryption key for decrypting said media content (3 and 9, figure 1; col. 6, lines 61-col. 7,

lines 4; col. 8, lines 14-19; col.; 5, lines 20-22);

a directory device for coupling said first client device to said media supplier

(figure 3; col. 14, lines 28-35; 8, figure 1; col. 7, line 56-col. 8, line 6) and after

said first client device specifying said media content to download (2, figure 1; col.

6, lines 43-47) and which device is allowed to or restricted from copying said

media content once downloaded to said first client device (col. 8, lines 52-58; col.

20, lines 49-52); and

a second client device coupled to said first client device and for receiving said

media content from said first client device (12 and 15, figure 1; col. 8, lines 37-48; col. 8,

lines 65-67), said second client device for receiving a second encryption key for

decrypting said media content (17 and 19, figure 1; col. 9, lines 8-19; col. 9, lines 32-38;

col. 5, lines 30-33).

38. Saito did not teach supplying a list of media suppliers. Monday taught supplying a list of servers for providing applications (abstract; col. 3, lines 5-7).

39. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito and Monday because Monday's method of supplying a list of servers would increase the efficiency of Saito's system by allowing the client to choose a closest server to minimize the transmission time.

40. Saito fails to teach supplying to said first client device a list of media suppliers for providing said media content after said specifying. Rabne taught that supplying to said first client device a list of media suppliers for providing said media content after said specifying (col. 18, lines 20-41).

41. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito, Monday and Rabne because Rabne's teaching of supplying media after specifying use of the content and the rights of the user would increase the security of Saito's and Monday's systems by providing media to a user based on their rights and level of access registered with a directory device (col. 18, lines 20-22; col. 22, lines 42-51).

42. As per claim 14, Saito, Monday and Rabne taught the invention substantially as claimed in claim 13 above. Saito further taught:  
coupling said second client device to said directory device (col. 5, lines 24-30;  
col. 8, lines 37-47).

43. As per claims 16 and 28, Saito, Monday and Rabne taught the invention substantially as claimed in claims 13 and 24 above. Saito further taught wherein  
said first client device receives said first encryption key from said media supplier  
(4, figure 3; col. 14, lines 28-35; col. 14, lines 4-16).

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44. As per claims 17 and 29, Saito, Monday and Rabne taught the invention substantially as claimed in claims 13 and 24 above. Saito further taught wherein said first client device receives said first encryption key from said directory device (3, figure 1, col. 6, lines 61-col. 7, lines 4).
45. As per claims 19 and 31, Saito, Monday and Rabne taught the invention substantially as claimed in claims 13 and 24 above. Saito further taught wherein said second client device receives said second encryption key from said directory device (17, figure 1, col. 9, lines 8-19).
46. As per claims 21 and 32, Saito, Monday and Rabne taught the invention substantially as claimed in claims 13 and 24 above. Saito further taught wherein said media supplier comprises a third client device (col.20, lines 28-32).
47. As per claim 33, Saito, Monday and Rabne taught the invention substantially as claimed in claim 24 above, wherein said directory device for coupling said second client device to said first client device (3, figure; col. 14, lines 28-35).
48. Claims 15, 18 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saito, Monday and Rabne in view of Herlin.
49. As per claim 15, Saito, Monday and Rabne taught the method substantially as claimed in claim 13 above. Saito, Monday and Rabne did not teach said second client

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device receiving said encrypted media content from said first client device. Herlin taught the method of coupling said second client device to said first client device (col. 11, lines 29-40).

50. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito, Monday, Rabne and Herlin because Herlin's method of coupling the second client device to the first client device would improve the security of Saito's, Monday's and Rabne's methods by allowing the second client device to request permission from the first client device in order to receive the encrypted media content from the first client device.

51. As per claims 18 and 30, Saito, Monday and Rabne taught the method substantially as claimed in claims 13 and 24 above. Saito, Monday and Rabne did not teach said second client device receives said encryption key from said first client device. Herlin taught the method of said second client device receives said encryption key from said first client device (col. 4, lines 22-33).

52. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito, Monday, Rabne and Herlin because Herlin's method of generating the encryption key at the first client device would improve the efficiency of Saito's, Monday's and Rabne's methods by allowing the

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process of generating the encryption key at the first client device instead of the directory server and distribute to the second client device.

53. Claims 20 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saito, Monday and Rabne in view of Wiser.

54. As per claims 20 and 25, Saito, Monday and Rabne taught the method substantially as claimed in claims 13 and 24 above. Saito, Monday and Rabne did not specifically detailing the content of the encrypted media. Wiser et al taught that the encrypted media content include video, audio, graphics, software, or information (col. 8, lines 11-17).

55. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito, Monday, Rabne and Wiser because Wiser's method of including different types of media content would enhanced Saito's, Monday's and Rabne's methods by increasing the field of use for his system.

56. Claims 22-23 and 26-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saito, Monday and Rabne in view of Saito, U.S. Patent 5,867,579.

57. As per claims 22-23 and 26-27, Saito, Monday and Rabne taught the method substantially as claimed in claims 13 and 24 above. Saito, U.S. Patent 5,867,579, taught



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wherein said first client device is a computer, set-top-box, or digital recording/play back device (col. 23, lines 33-40).

58. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito, Monday and Rabne because the combine teachings of Saito, Monday and Rabne would effectively cover larger range of use by including more details in his systems.

59. Applicant's arguments with respect to claims 1-33, filed 08/09/04, have been fully considered but are not deemed to be persuasive and are moot in view of the new grounds of rejection.

60. In the remark applicant argued that

(1) As per claim 1, Saito fails to teach coupling the first client device to a media supplier to receive media content after performing the registration process with the directory device.

(2) As per claims 13 and 24, Saito fails to teach supplying a first client device a list of media suppliers for providing said media content after the first client device specifying media content to download and which device is allowed to copy the media content once downloaded to the first client device.

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61. In response to point (1), in claim 1, Saito taught performing registration process with a directory device (step 2, figure 1; col. 6, lines 43-47). Saito further taught after performing the registration process with a directory device, coupling the first client device to a media supplier to receive media content (step 8, figure 1; col. 7, line 56-col. 8, line 6).

62. In response to point (2), in claims 13 and 24, Saito taught supplying the first client device said media content and specifying media content to download (col. 6, lines 43-44; col. 7, lines 48-50) and which device is allowed to copy the media content once downloaded to the first client device (col. 8, lines 52-58; col. 20, lines 49-52).

63. Saito did not teach supplying a list of media suppliers. Monday taught supplying a list of servers for providing applications (abstract; col. 3, lines 5-7).

64. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito and Monday because Monday's method of supplying a list of servers would increase the efficiency of Saito's system by allowing the client to choose a closest server to minimize the transmission time.

65. Saito fails to teach supplying to said first client device a list of media suppliers for providing said media content after said specifying. Rabne taught that supplying to said

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first client device a list of media suppliers for providing said media content after said specifying (col. 18, lines 20-41).

66. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Saito, Monday and Rabne because Rabne's teaching of supplying media after specifying use of the content and the rights of the user would increase the security of Saito's and Monday's systems by providing media to a user based on their rights and level of access registered with a directory device (col. 18, lines 20-22; col. 22, lines 42-51).

67. A shortened statutory period for reply to this Office action is set to expire THREE MONTHS from the mailing date of this action.

68. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip C Lee whose telephone number is (703)305-7721.

The examiner can normally be reached on 8 AM TO 5:30 PM Monday to Thursday and every other Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (703)305-8498. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)350-6121.

  
JOHN FOLLANSBEE  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100